

Outline for February 6, 2006

Reading: text, §4.4–4.5, 5.1–5.2.2

1. Greetings and felicitations!
 - a. Puzzle of the day
2. Types of Access Control
 - a. Mandatory access control
 - b. Discretionary access control
 - c. Originator-controlled access control
3. High-Level Policy Languages
 - a. Characterization
 - b. Example: DTEL
4. Low-Level Policy Languages
 - a. Characterization
 - b. Example: Tripwire configuration file
5. Goals of Confidentiality Policies
6. Bell-LaPadula Model with Levels Only
 - a. Security Levels
 - b. Simple Security Property
 - c. *-Property
 - d. Basic Security Theorem
7. Bell-LaPadula Model
 - a. Compartments
 - b. BLP as lattice structure
 - c. Simple Security Property
 - d. *-Property
 - e. Basic Security Theorem